

**PROJECT DESCRIPTION**

**GENERAL**

THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 108 AND GUILFORD ROAD/ST. LOUIS CHURCH ACCESS VIA AREAWIDE FORCES. THE SOUTHBOUND ST. LOUIS CHURCH ACCESS WILL BE MODIFIED FROM PERMISSIVE TO EXCLUSIVE / PERMISSIVE PHASING, AND A SOUTHBOUND FAR SIDE LEFT SIGNAL HEAD WILL BE ADDED. MD 108 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

**INTERSECTION OPERATION**

THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE FULL TRAFFIC ACTUATED MODE. THE EASTBOUND AND WESTBOUND MOVEMENTS WILL CONTINUE TO OPERATE CONCURRENTLY WITH WESTBOUND EXCLUSIVE / PERMISSIVE PHASING AND A NORTHBOUND RIGHT TURN OVERLAP. THE NORTHBOUND AND SOUTHBOUND MOVEMENTS WILL OPERATE CONCURRENTLY WITH SOUTHBOUND EXCLUSIVE / PERMISSIVE PHASING.

**CONTROLLER REQUIREMENTS**

THE EXISTING POLE MOUNTED CONTROLLER, LOOP DETECTOR AMPLIFIERS AND ASSOCIATED HARNESSES SHALL REMAIN.

**THE CONTACT PERSONS FOR DISTRICT #7 ARE AS FOLLOWS:**

Mr. John Concannon  
Assistant District Engineer - Traffic  
Phone: 301-624-8140

Ms. Andrea Abend  
District Utility Engineer  
Phone: 301-624-8115

Mr. Dave Coyne  
Assistant District Engineer - Maintenance  
Phone: 301-624-8105

Mr. Edward Rodenhizer  
Chief, SHA Traffic Signal Shop  
Phone: 410-787-7650

Mr. Richard L. Daff Sr.  
Chief, Traffic Operations Division  
Phone: 410-787-7630

The Power Company Representative is:  
Baltimore Gas & Electric Company  
7317 Parkway Drive South  
Hanover, MD 21076  
Phone: 410-859-9062

**EQUIPMENT LIST 'A'**

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NUMBER	QUANTITY	DESCRIPTION
9571	10.5 SF	[UPDATED] ALUMINUM MAST ARM / POLE MOUNTED SIGN 1 EACH - R10-12

**EQUIPMENT LIST 'B'**

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8013	1 EA	REMOVE AND DISPOSE OF EQUIPMENT PER ASSIGNMENT
8047	10.5 SF	INSTALL OVERHEAD SIGN
8056	10 EA	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8061	25 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO.14 AWG)
8062	425 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO.14 AWG)

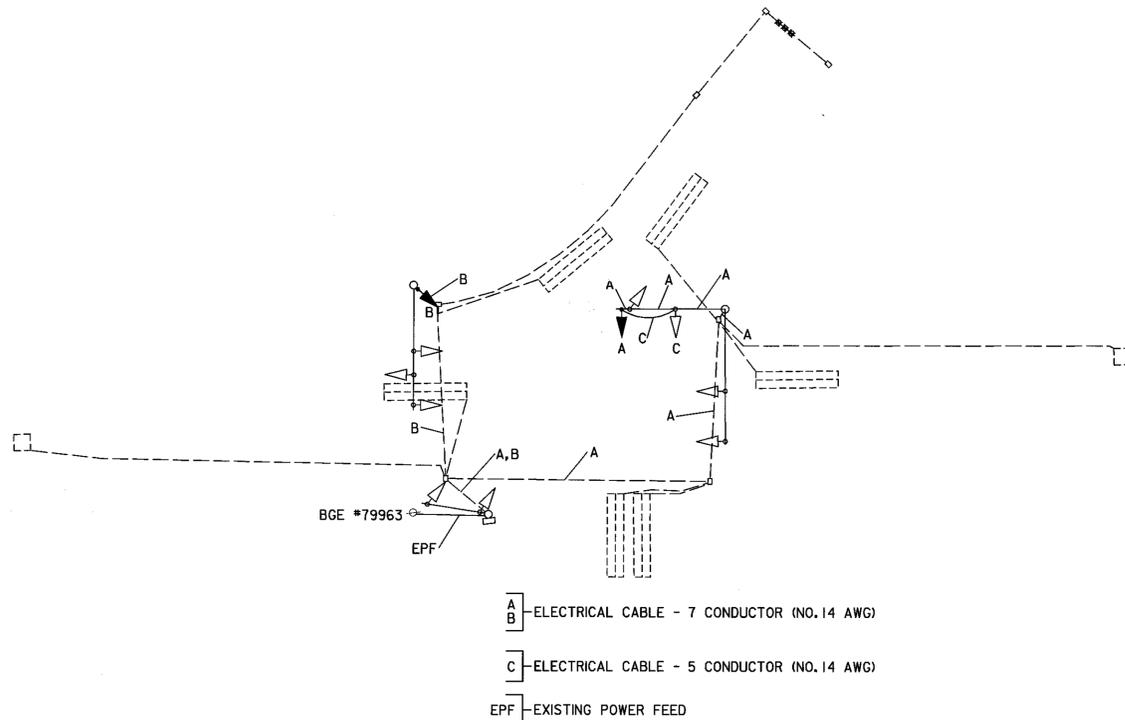
**EQUIPMENT LIST 'C'**

EQUIPMENT TO BE SALVAGED AND RETURNED TO SHA

ITEM NUMBER	QUANTITY	DESCRIPTION

ALL REMOVED MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR

**WIRING DIAGRAM**



**PHASE CHART**

	1	2	3	4	5	6	7	8	9	10	11
PHASE 1 + 6	R	R	G-G	G-G	G	R	R	R	R	R	R
PHASE 1 + 6 CHANGE	R	R	Y-Y	Y-Y	Y	R	R	R	R	R	R
PHASE 2 + 6	G	G	G	G	G	R	R	R	R	R	R
PHASE 2 + 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	R	R
PHASE 3 + 8	R	R	R	R	R	G-G	G-G	G	R	R	R
PHASE 3 + 8 CHANGE	R	R	R	R	R	Y-Y	Y-Y	G	R	R	R
PHASE 4 + 8	R	R	R	R	R	G	G	G	G	G	G
PHASE 4 + 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

SHA: H0331A52/B52 TOD: AT582-37

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

**MD 108 (CLARKVILLE PIKE)  
AND GUILFORD ROAD /ST. LOUIS CHURCH ACCESS**

**GENERAL INFORMATION**

SCALE	NONE	DATE	04/2005	CONTRACT NO.	AT5825185
DESIGNED BY	MRK	COUNTY	HOWARD		
DRAWN BY	AMT	LOGMILE	13010803.45		
CHECKED BY	BAB	T. I. M. S. NO.	G834		
F. A. P. NO.		TOD NO.			

DRAWING NO. **TS-3161 A** SHEET NO. 2 OF 2

**STV Incorporated**  
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